

FIG. 1

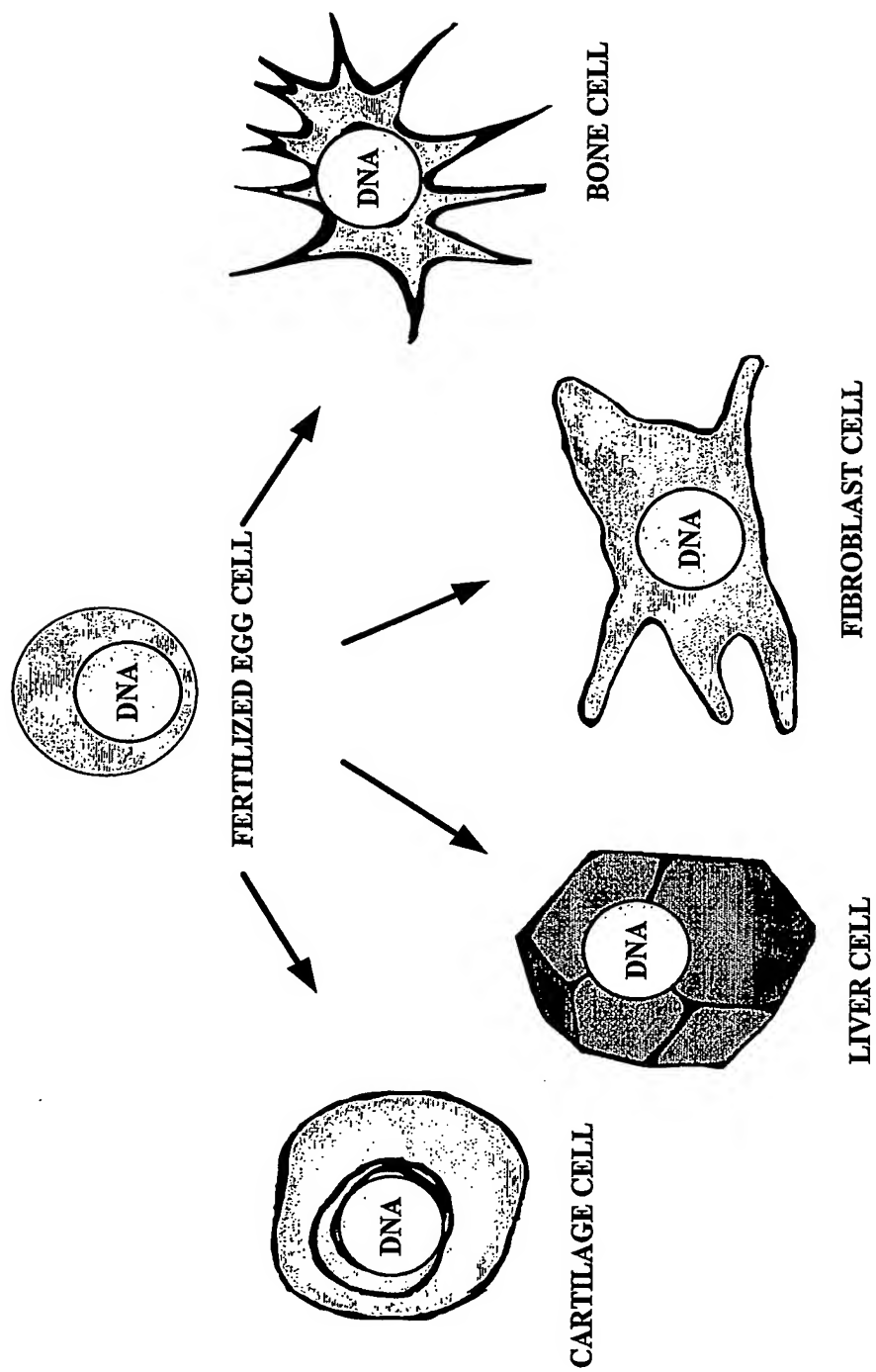


FIG. 2A

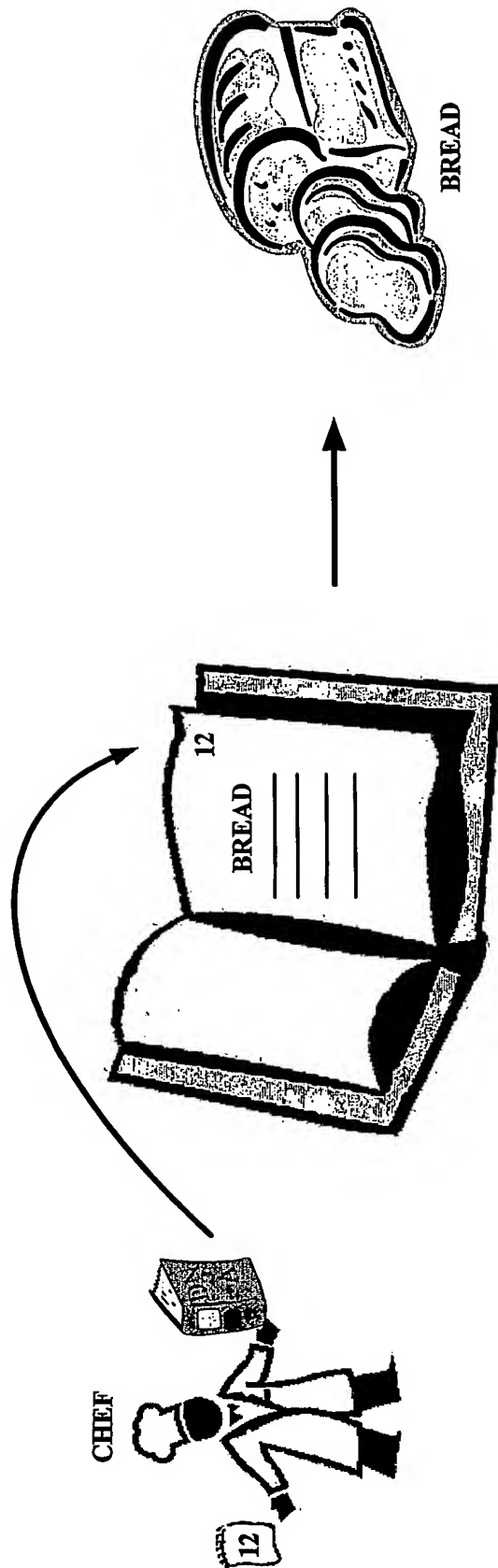


FIG. 2B

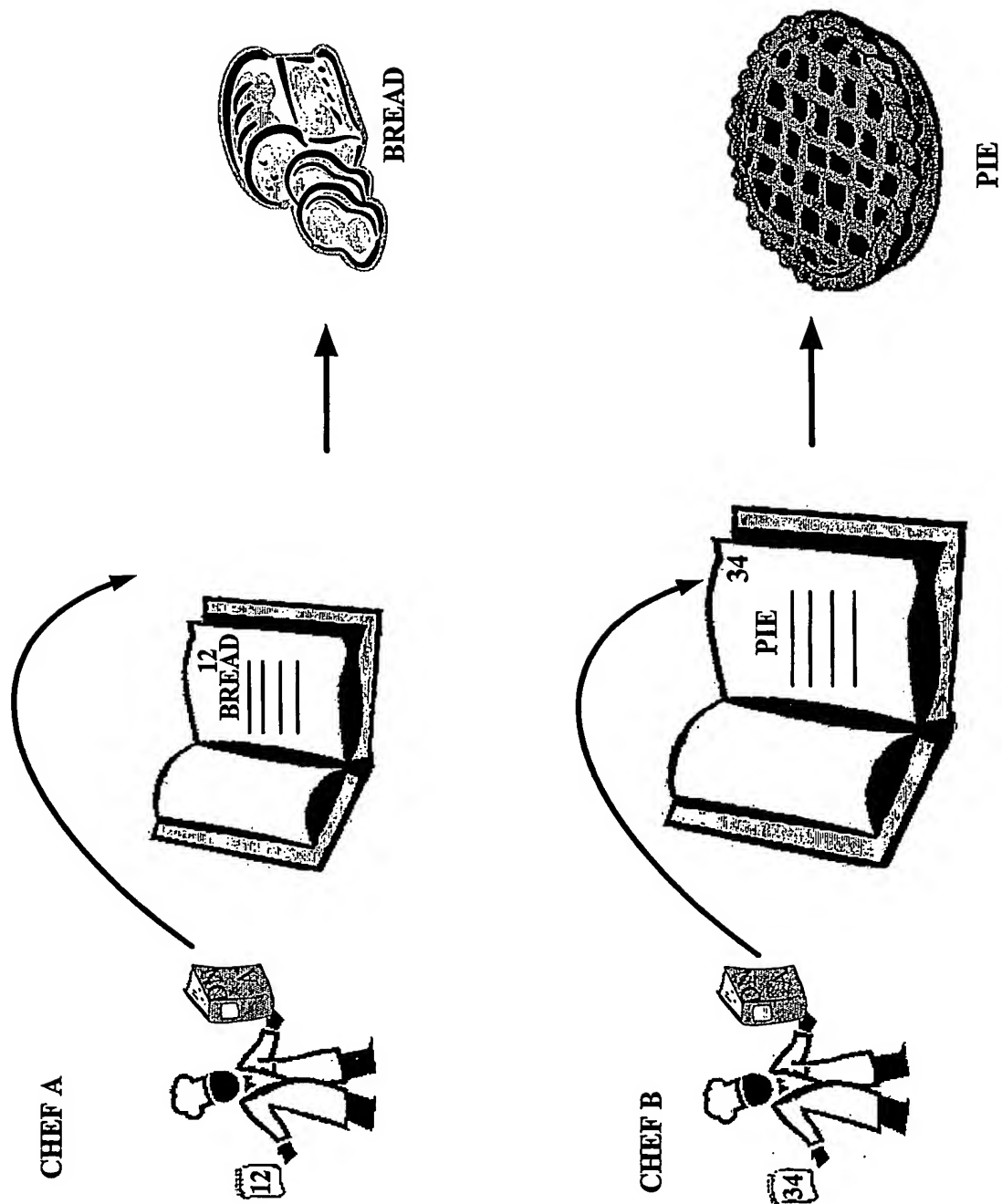


FIG. 3

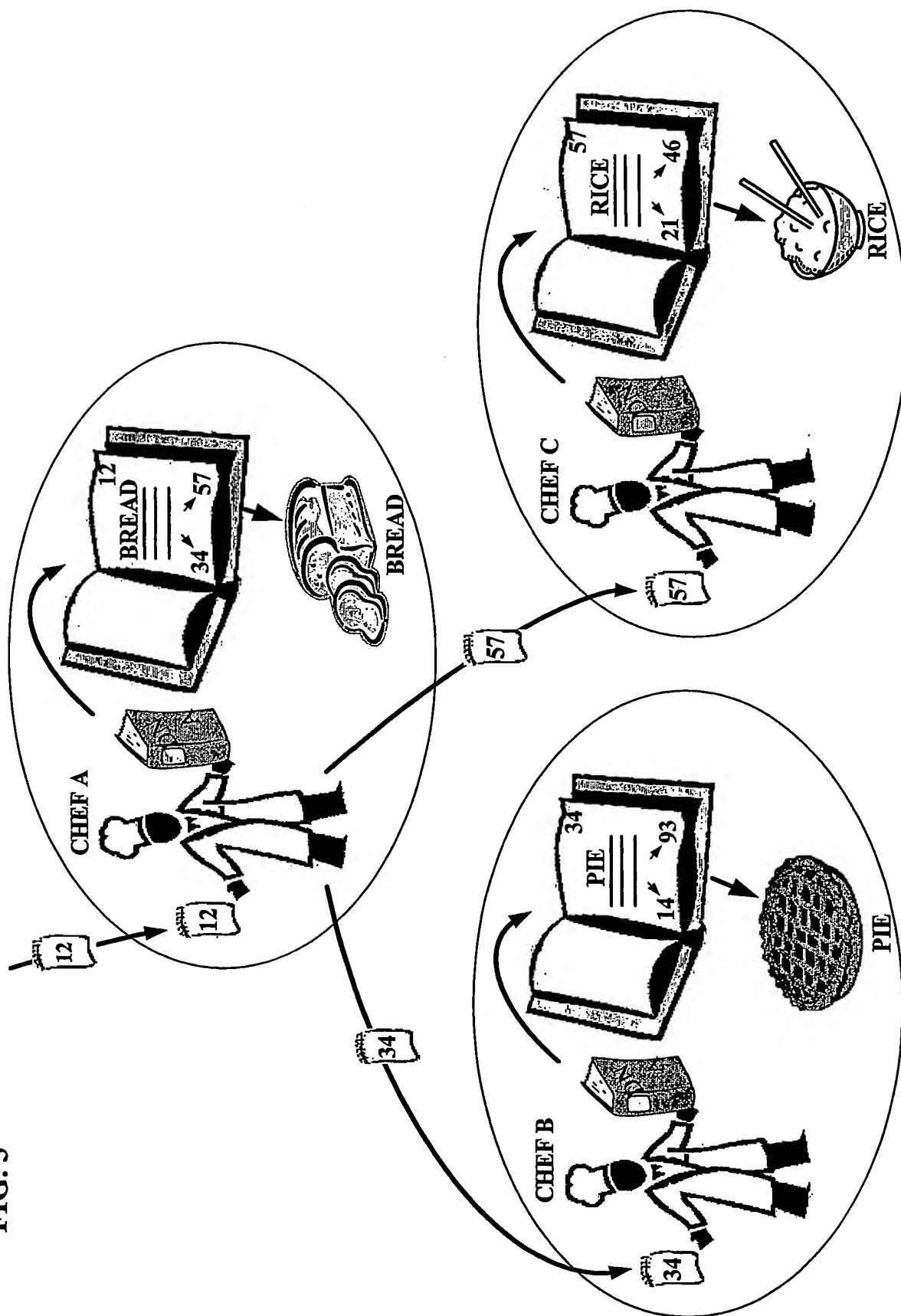


FIG. 4

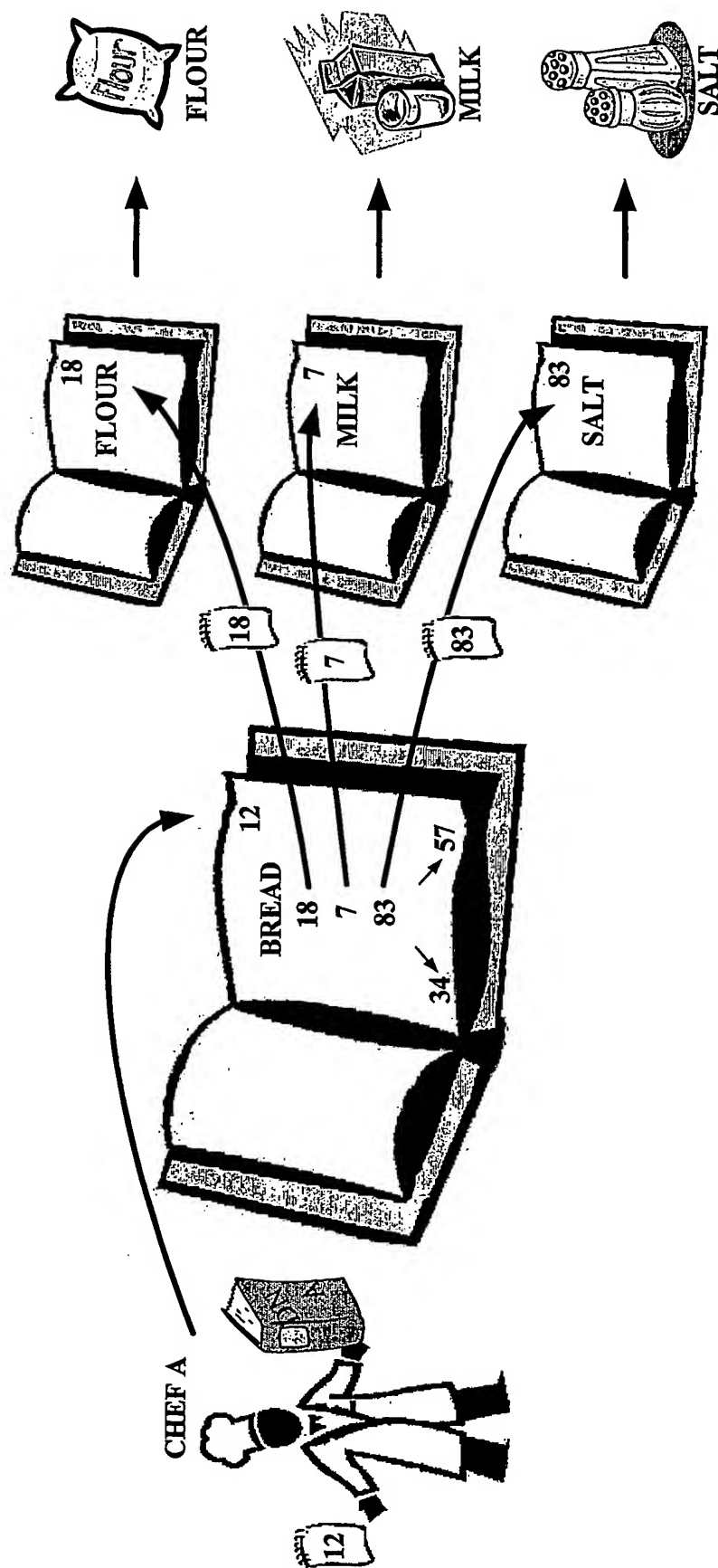
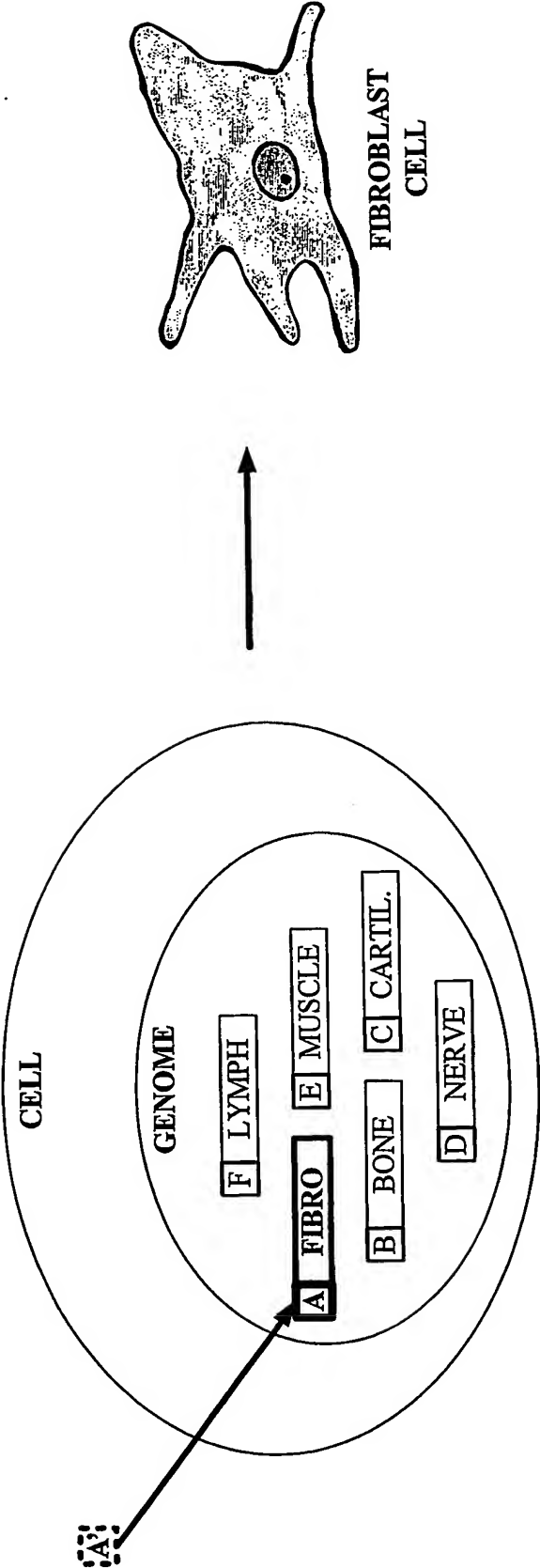
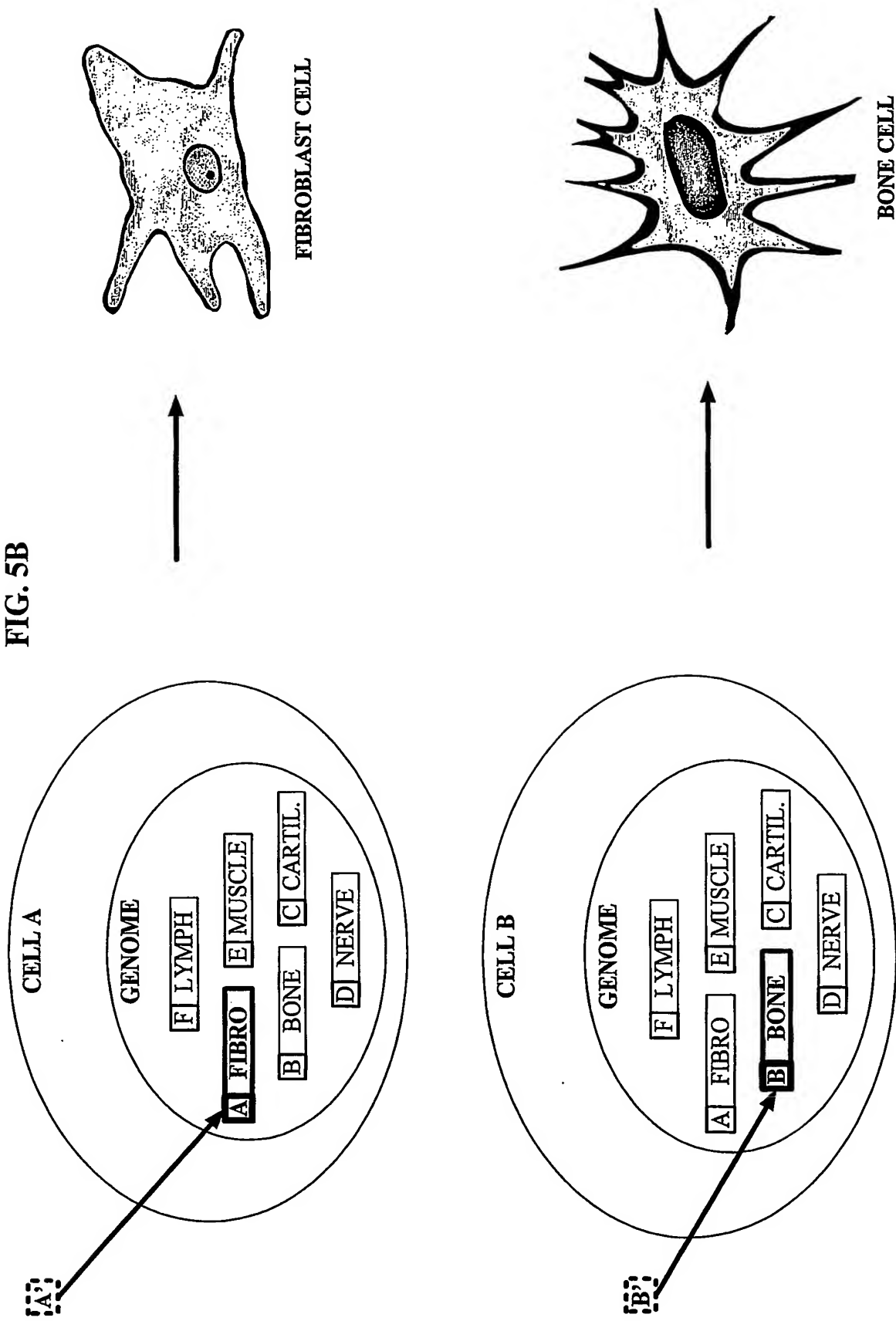


FIG. 5A





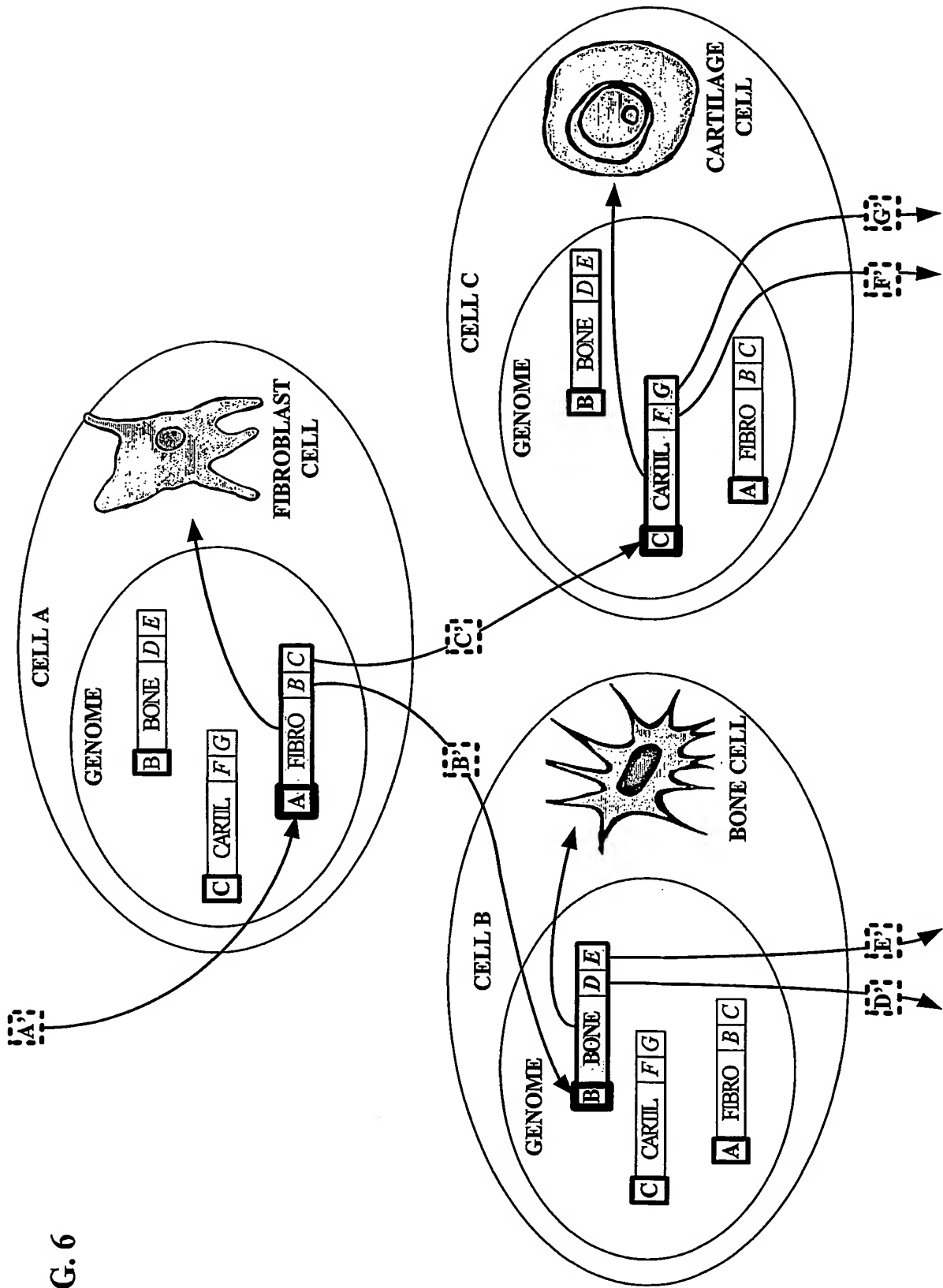


FIG. 6

FIG. 7

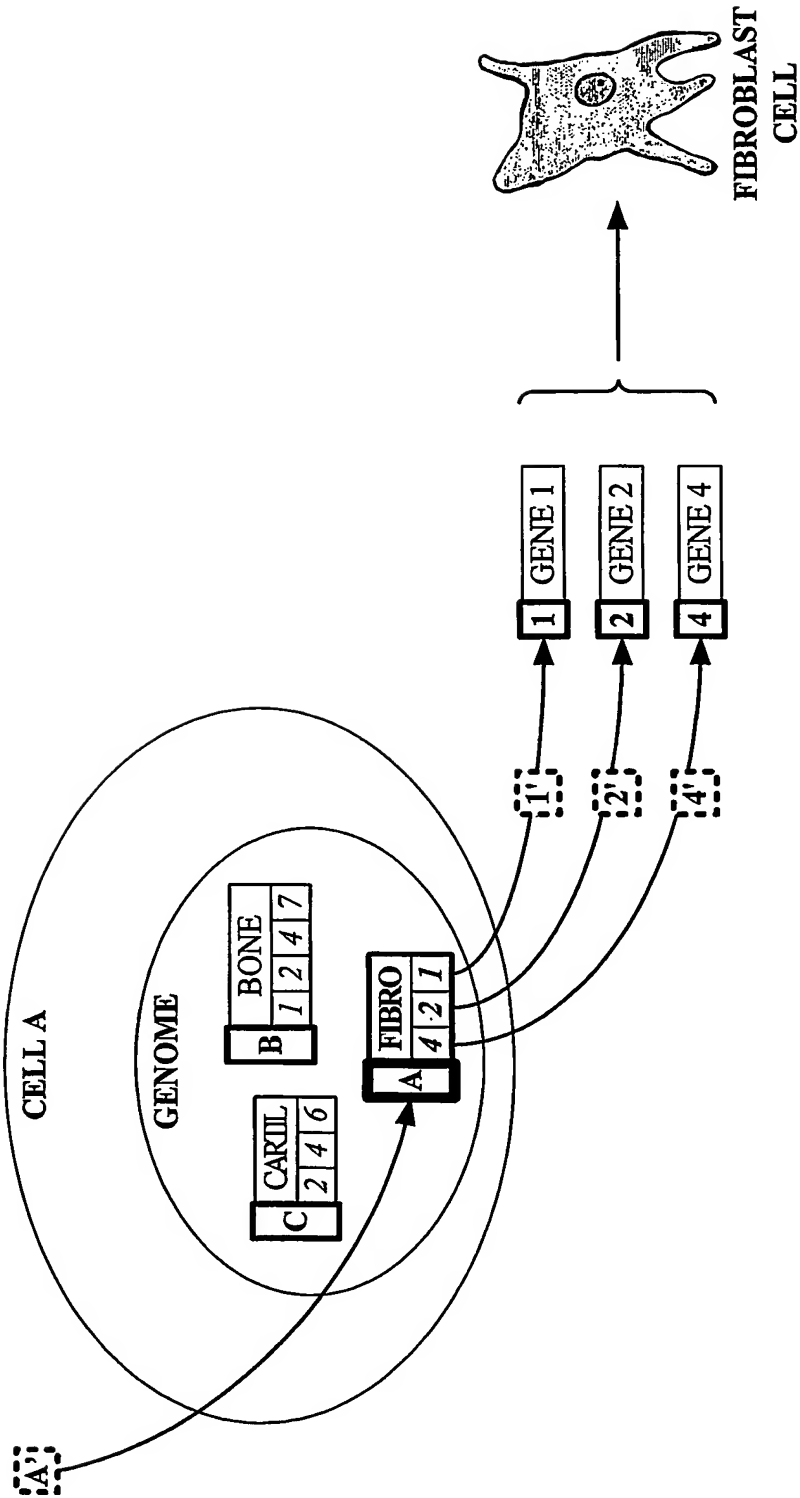
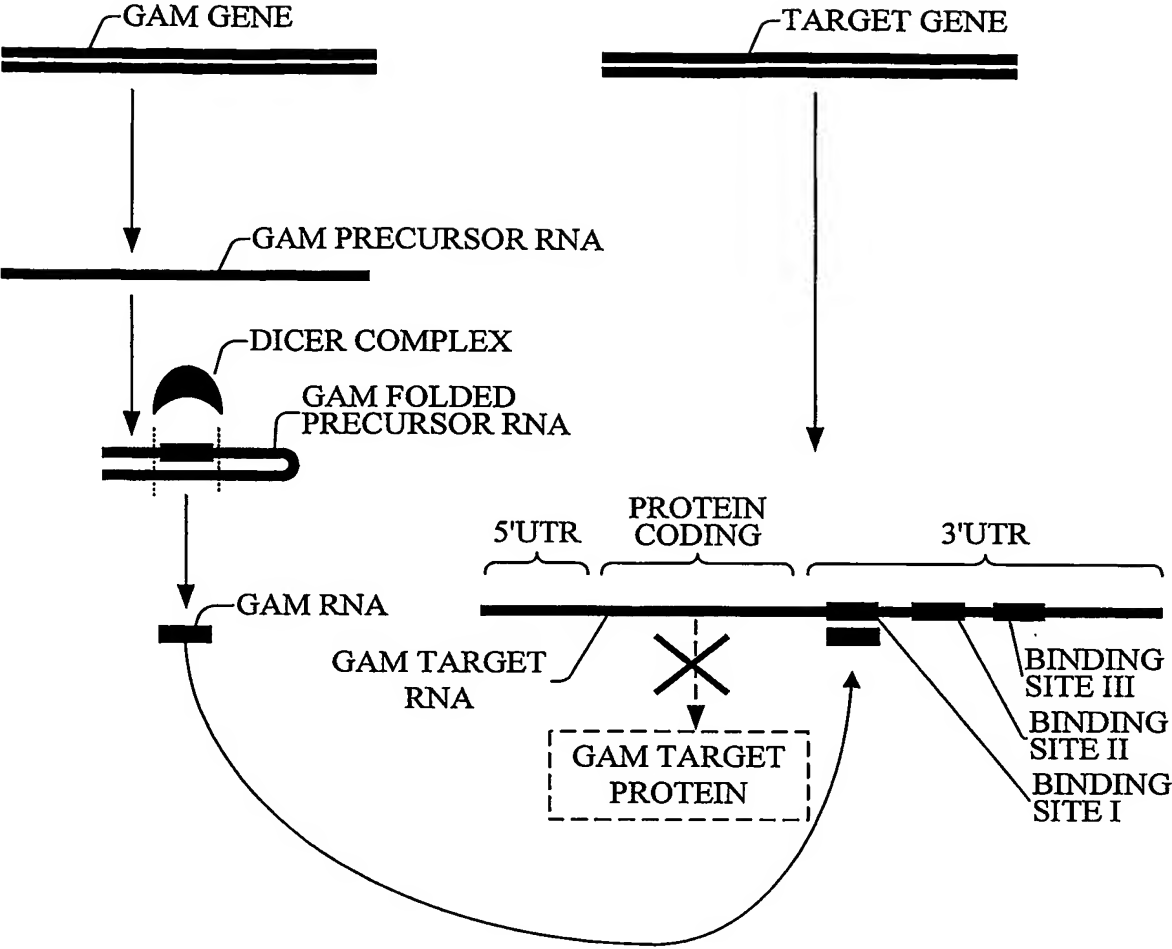


FIG. 8



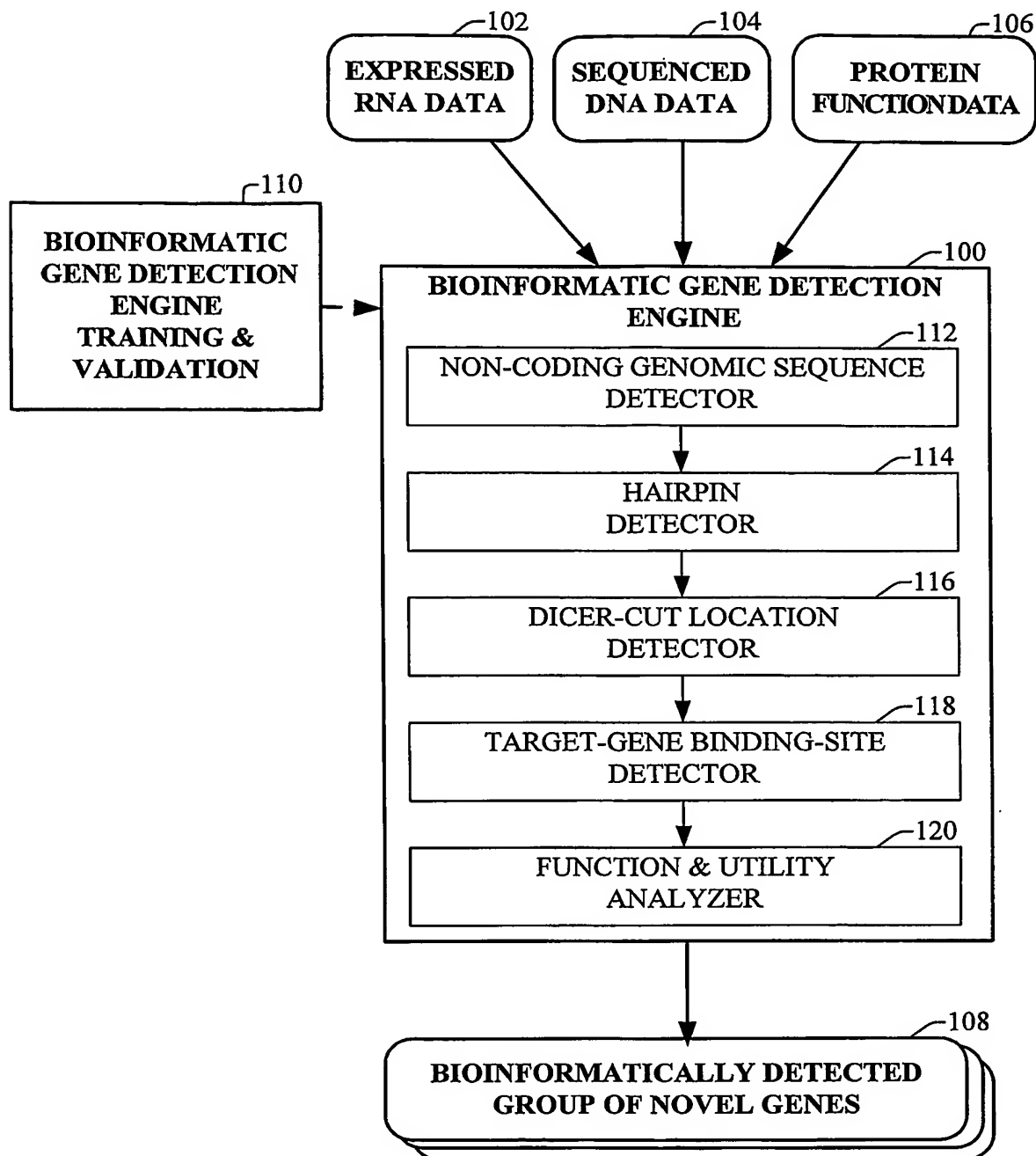
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FIG. 9

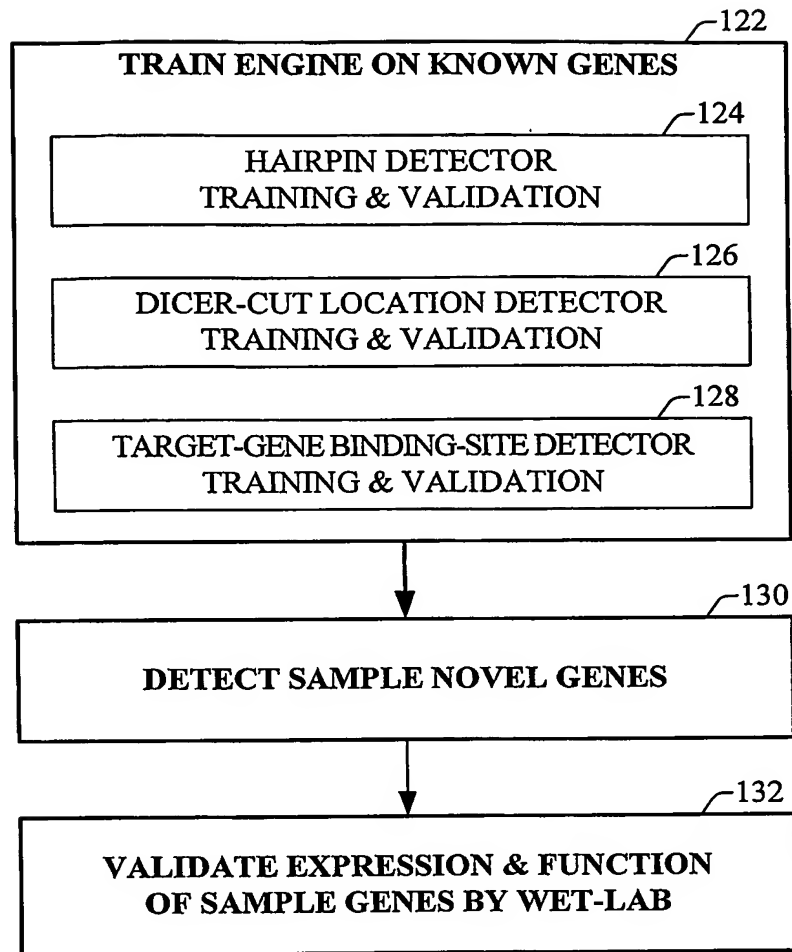
FIG. 10

FIG. 11A

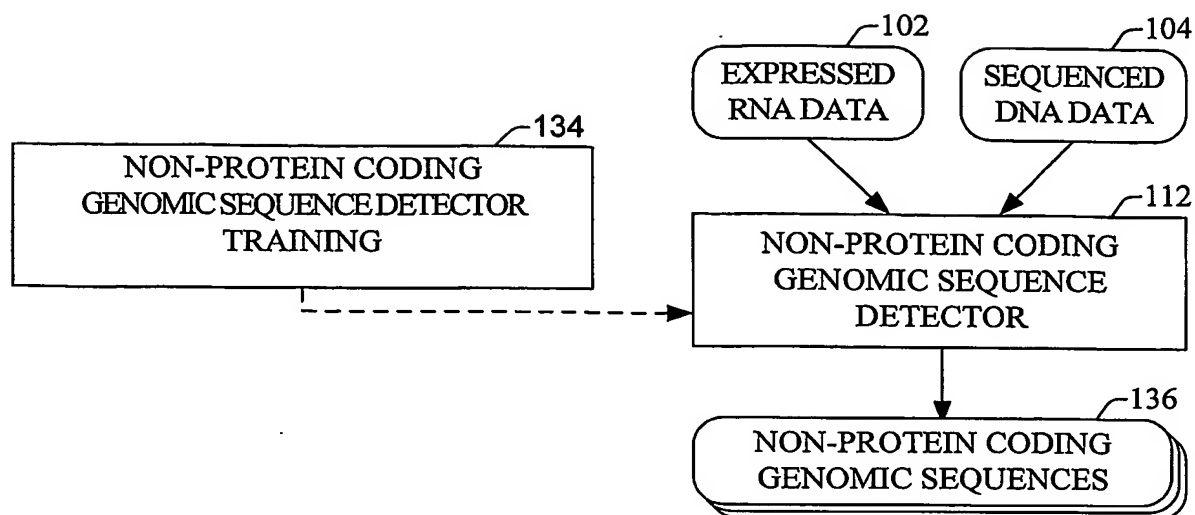
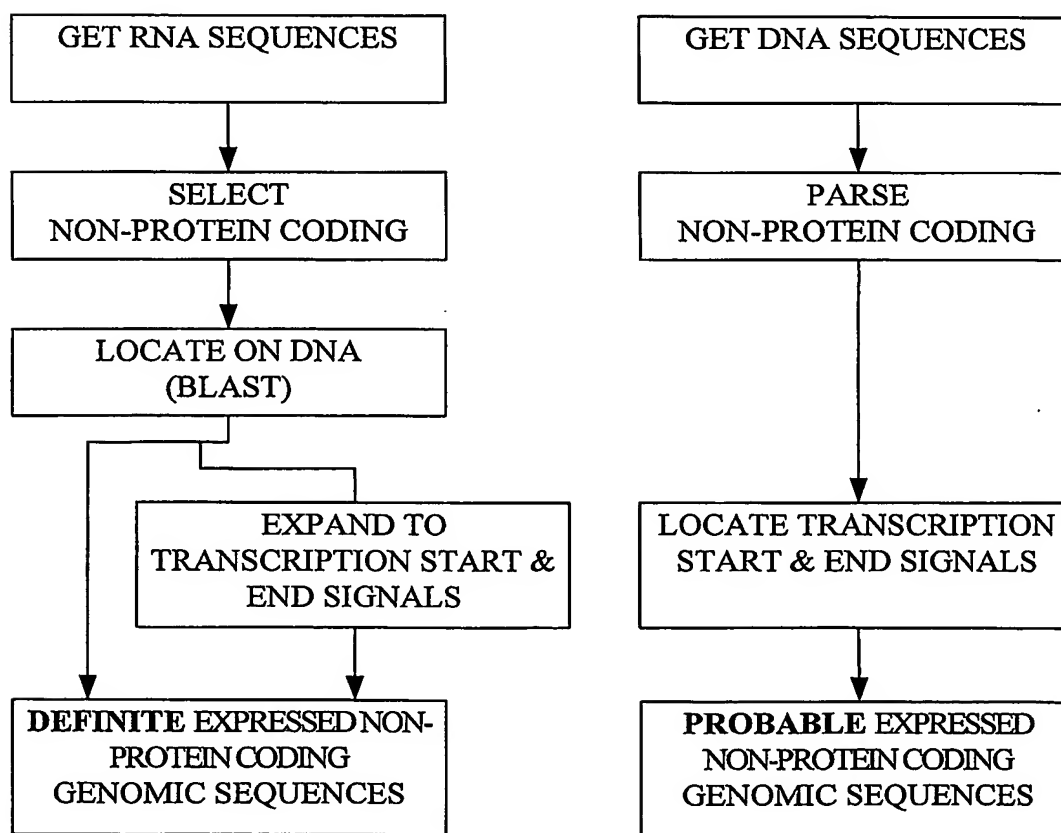


FIG. 11B



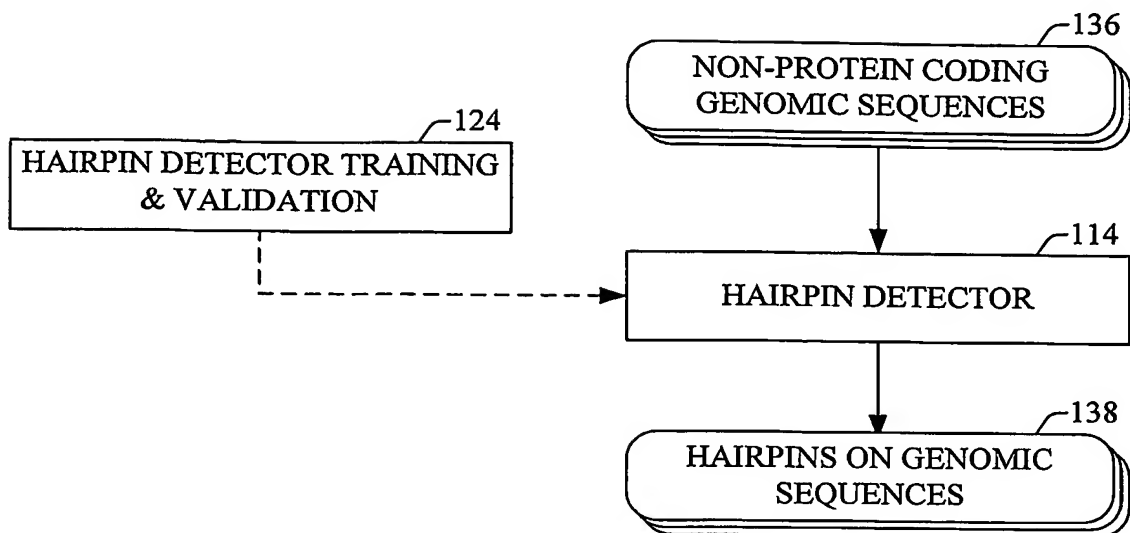
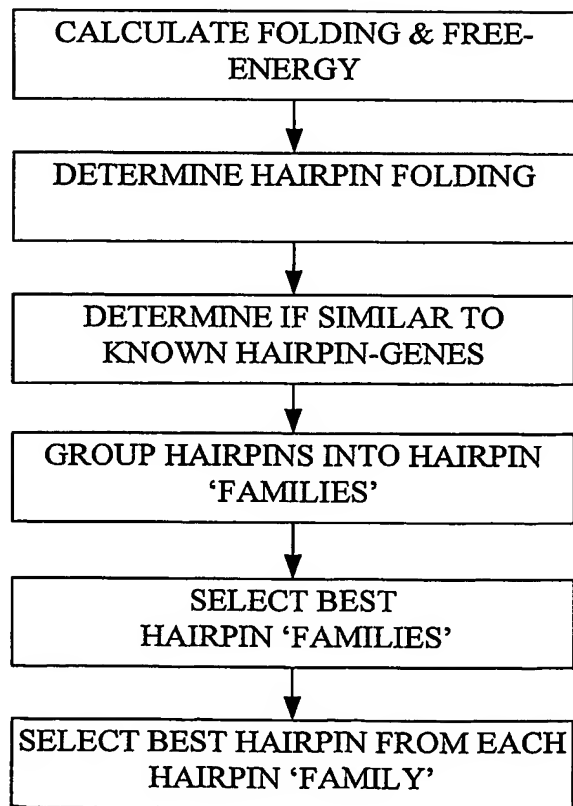
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FIG. 12A**FIG. 12B**

FIG. 13A

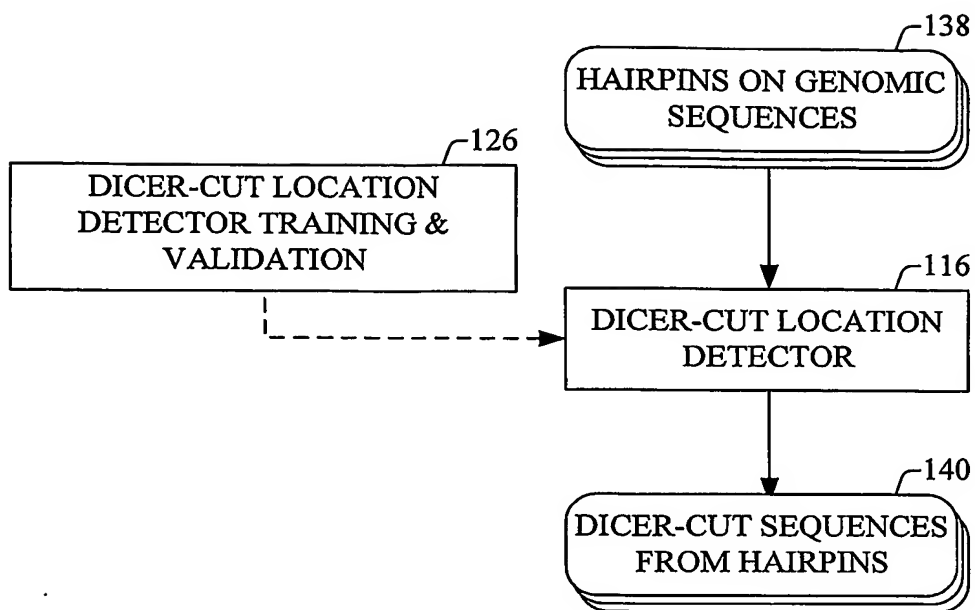


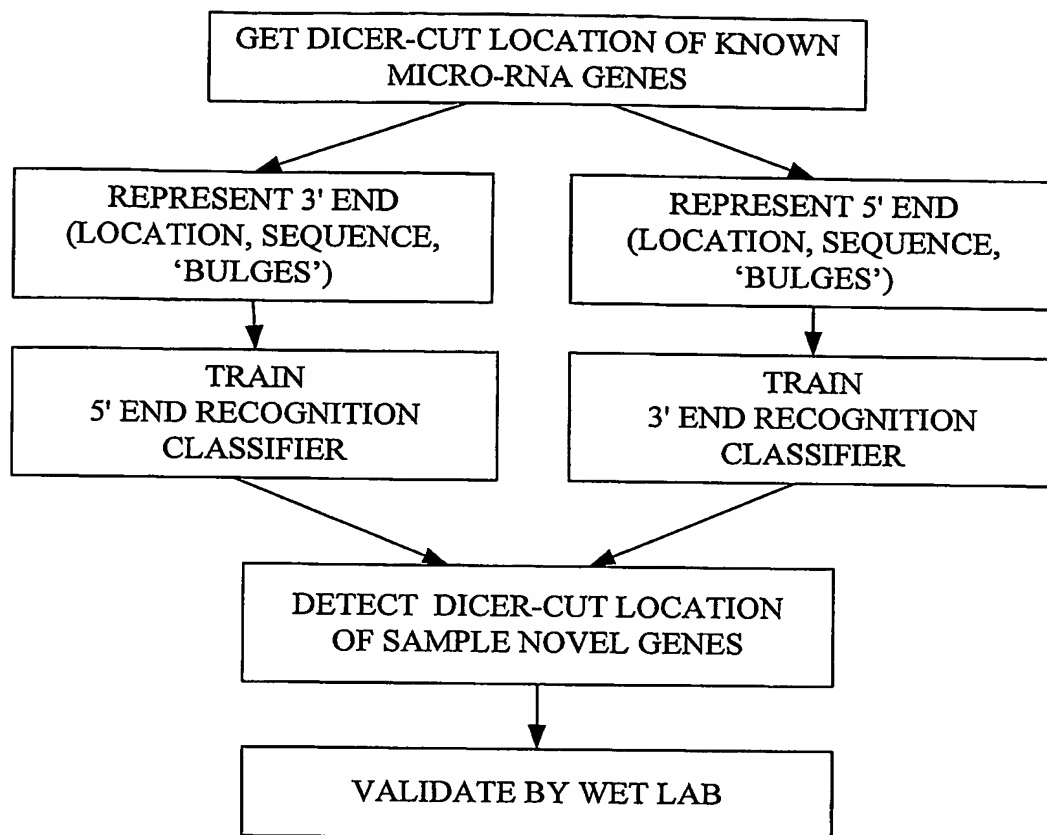
FIG. 13B

FIG. 13C

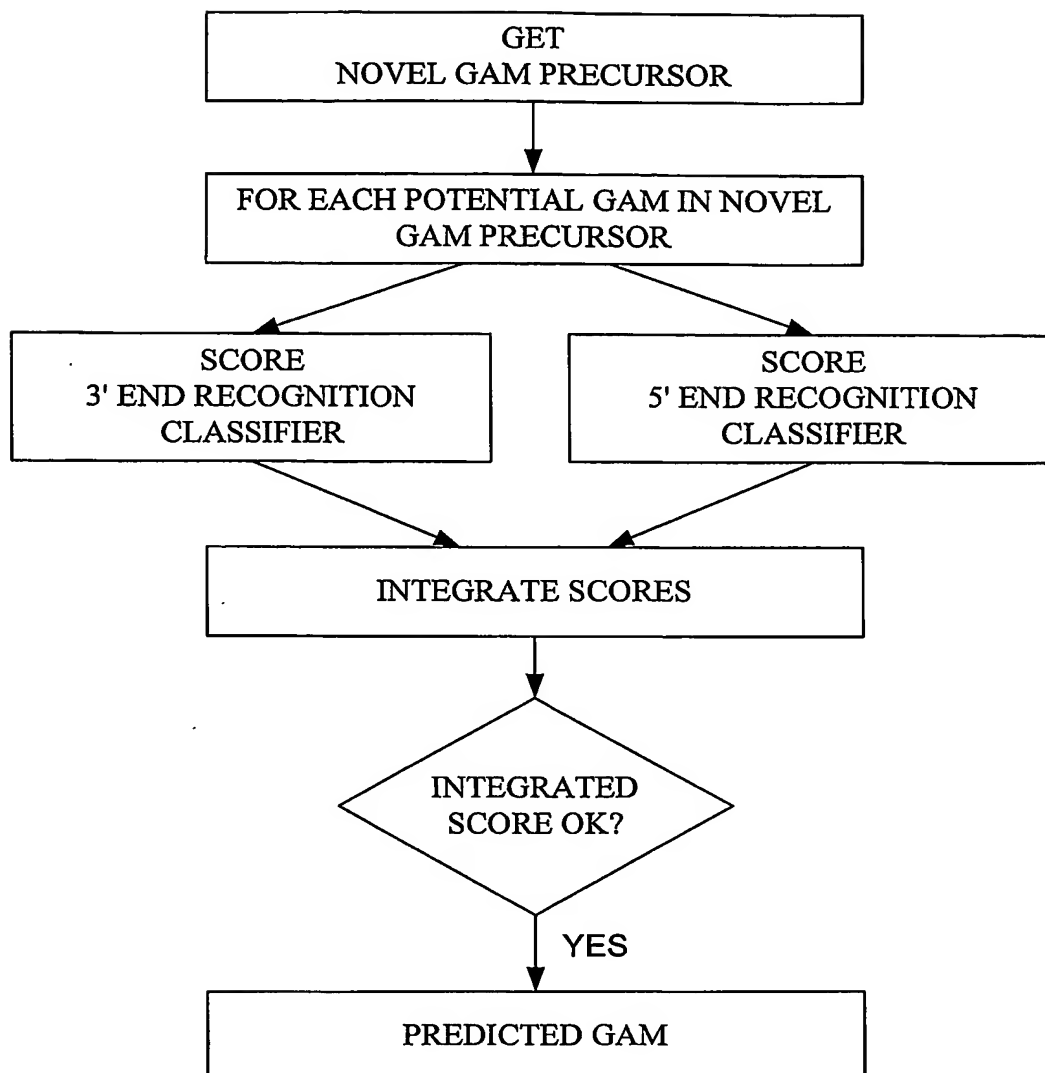


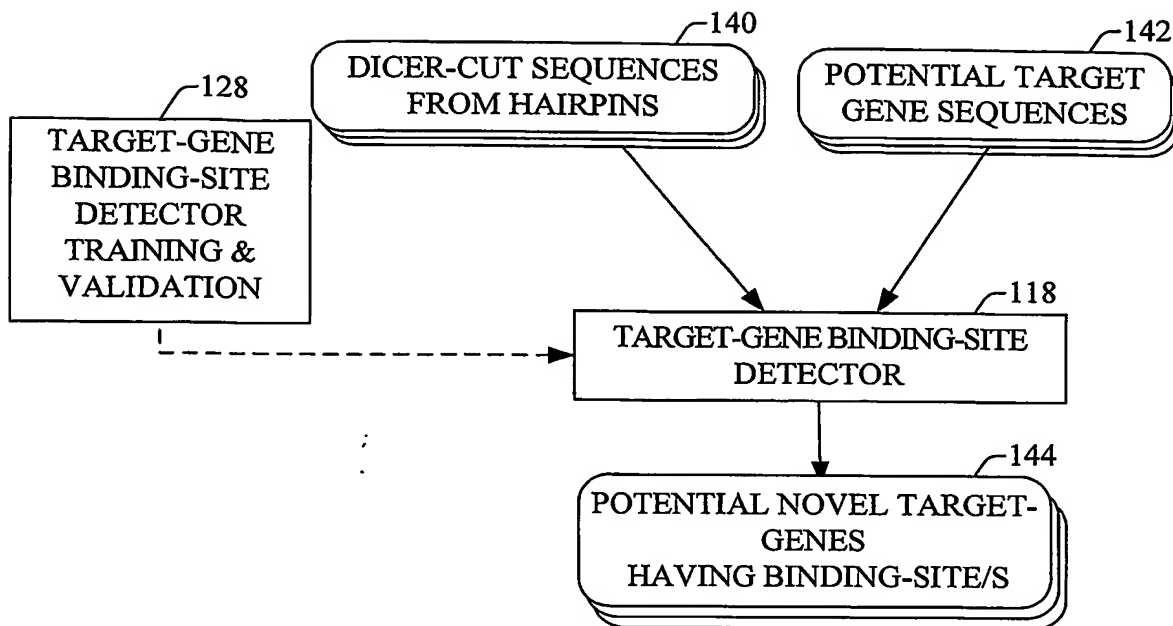
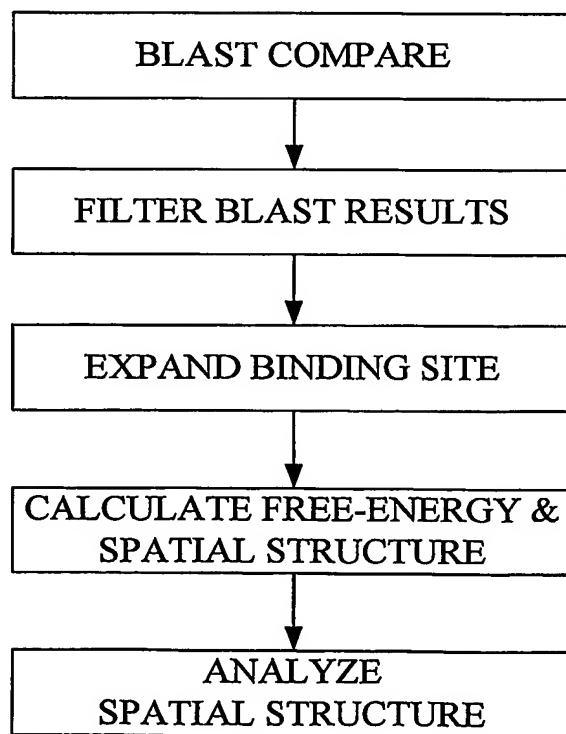
FIG. 14A**FIG. 14B**

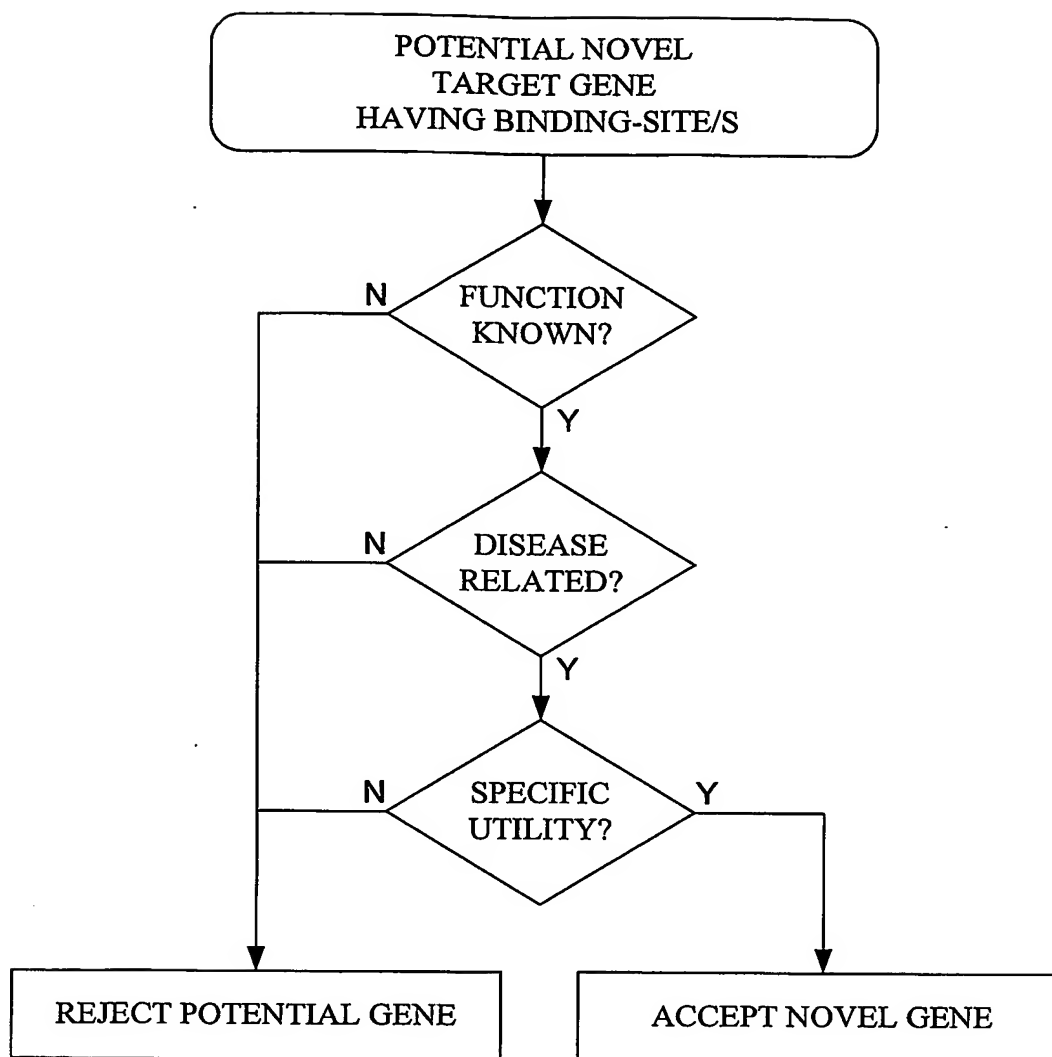
FIG. 15

FIG. 16

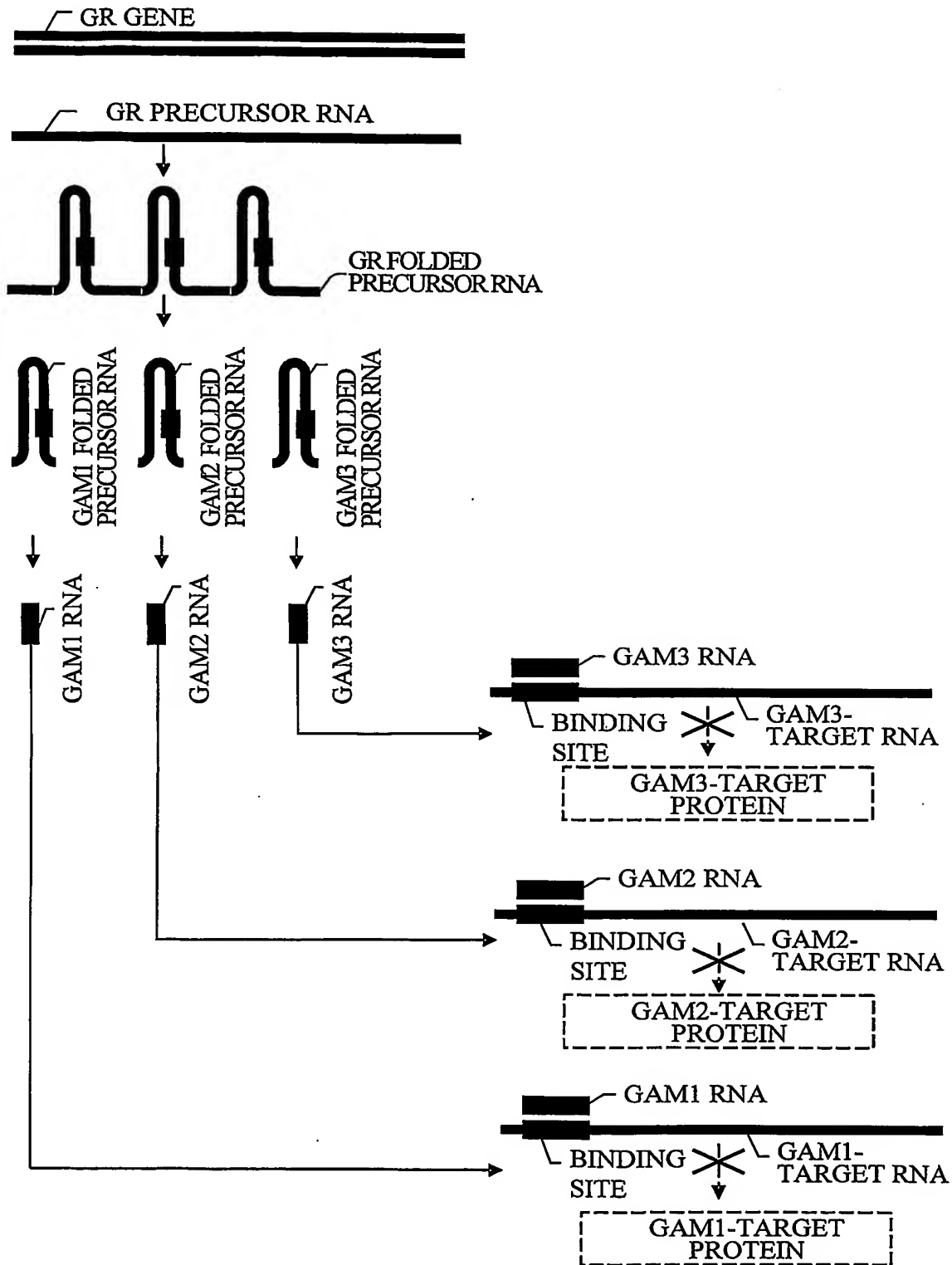


FIG. 17

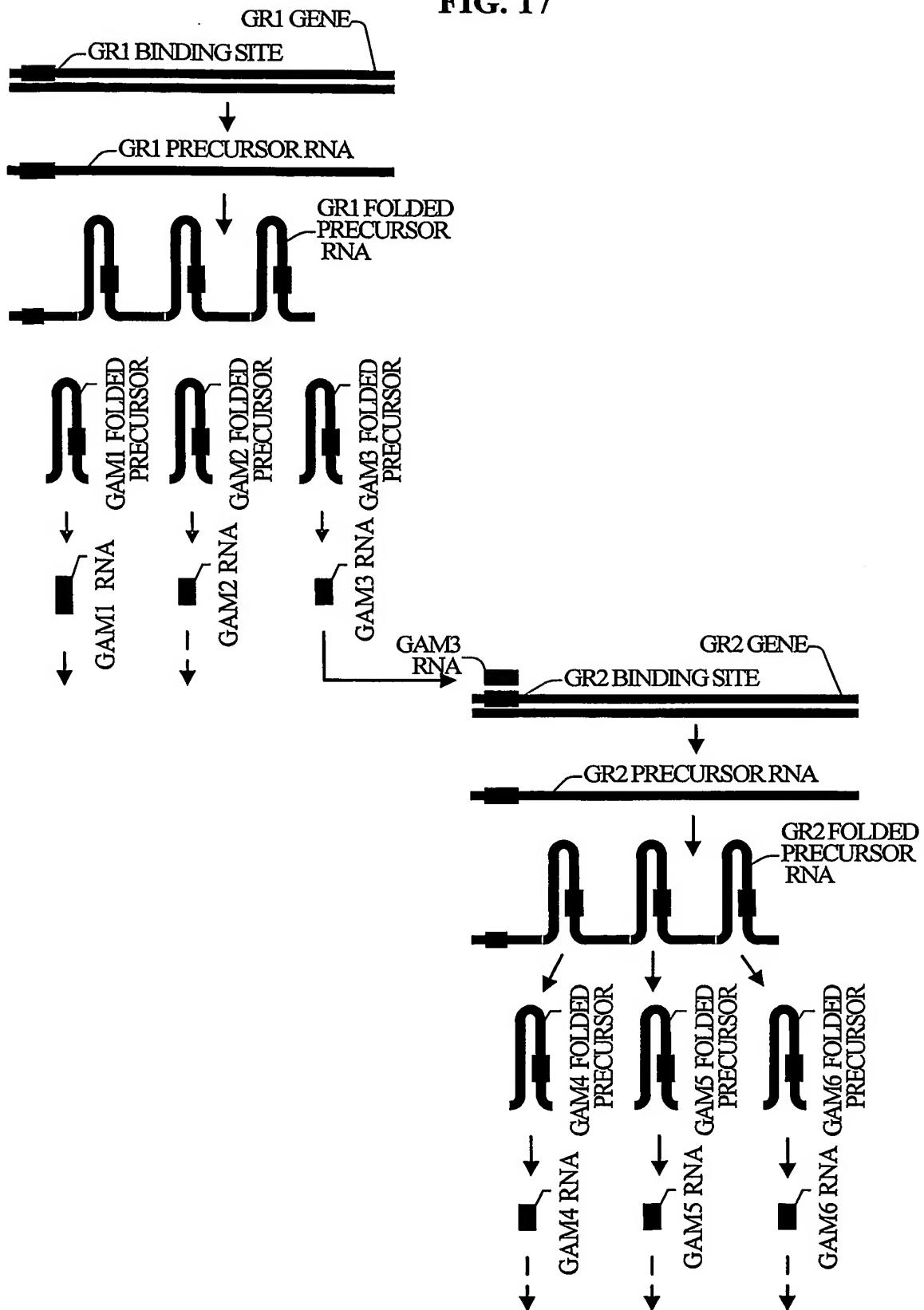


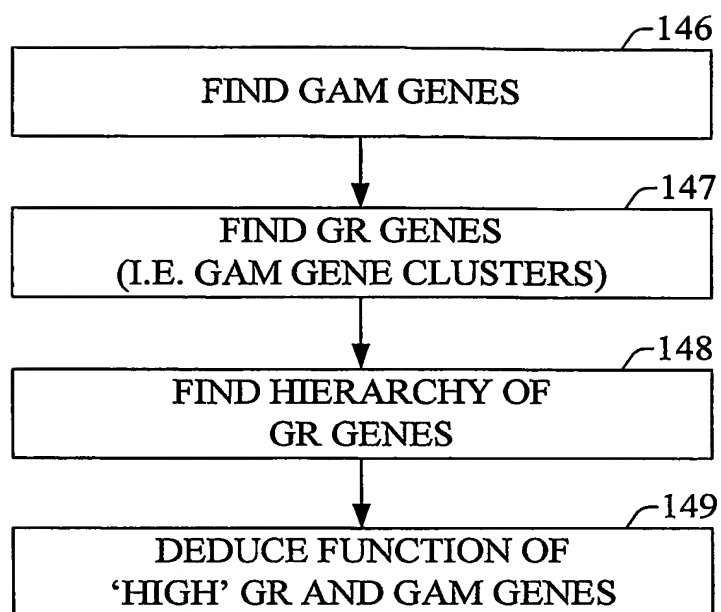
FIG. 18

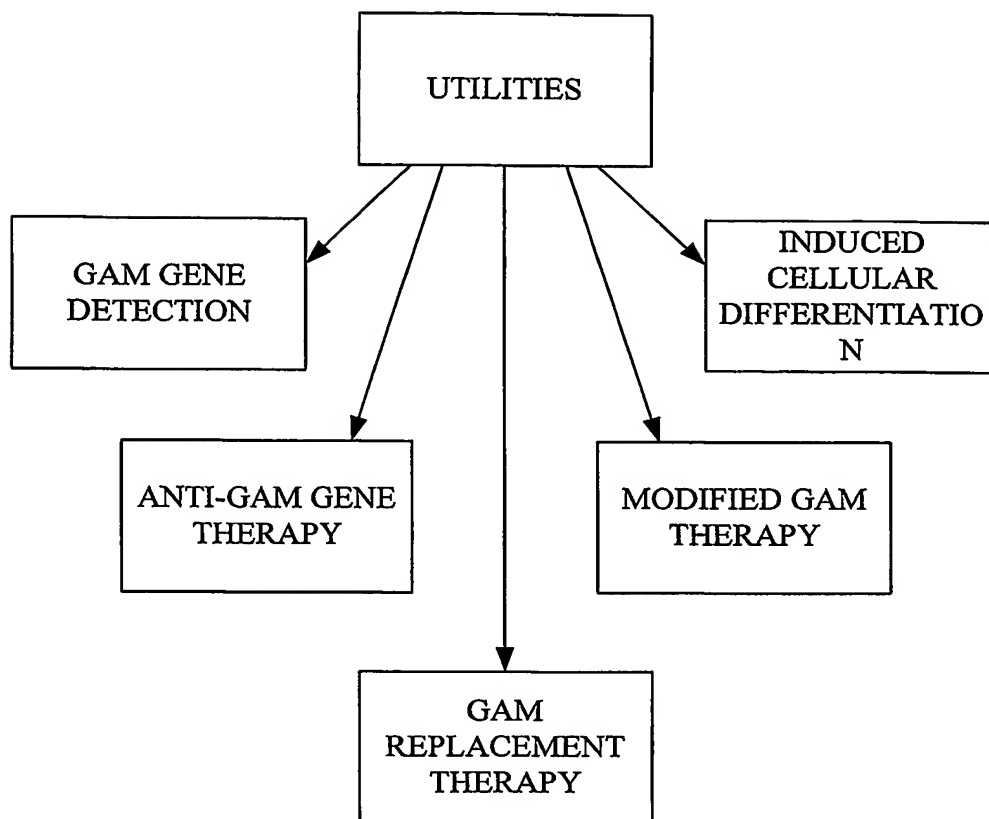
FIG. 19

FIG. 20A

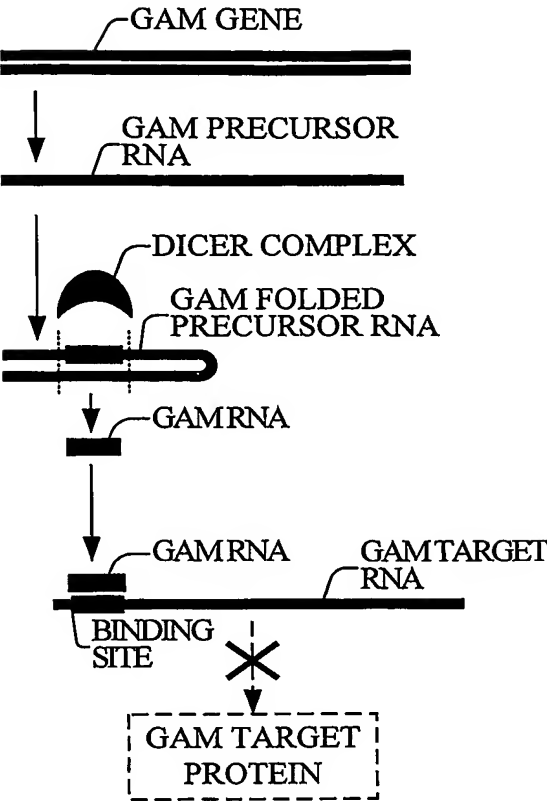


FIG. 20B

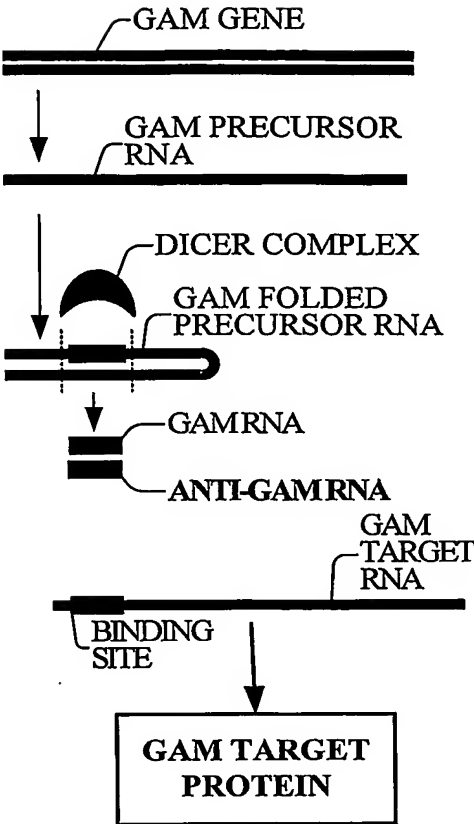


FIG. 21

Detection Accuracy Group	Number of Published MIRs	Lab Validation			Novel GAMs of Present Invention	Hairpins in RNA Database	
		Sent	Positive	% success		Number	Expected
A	82	10	5	50%	562	564	282
B	146	91	32	35%	526	813	285
C	38	30	9	30%	625	2080	624
D	78	16	4	25%	3034	11512	2878
Overall	344	147	50	34%	4747	14969	4069

FIG. 22

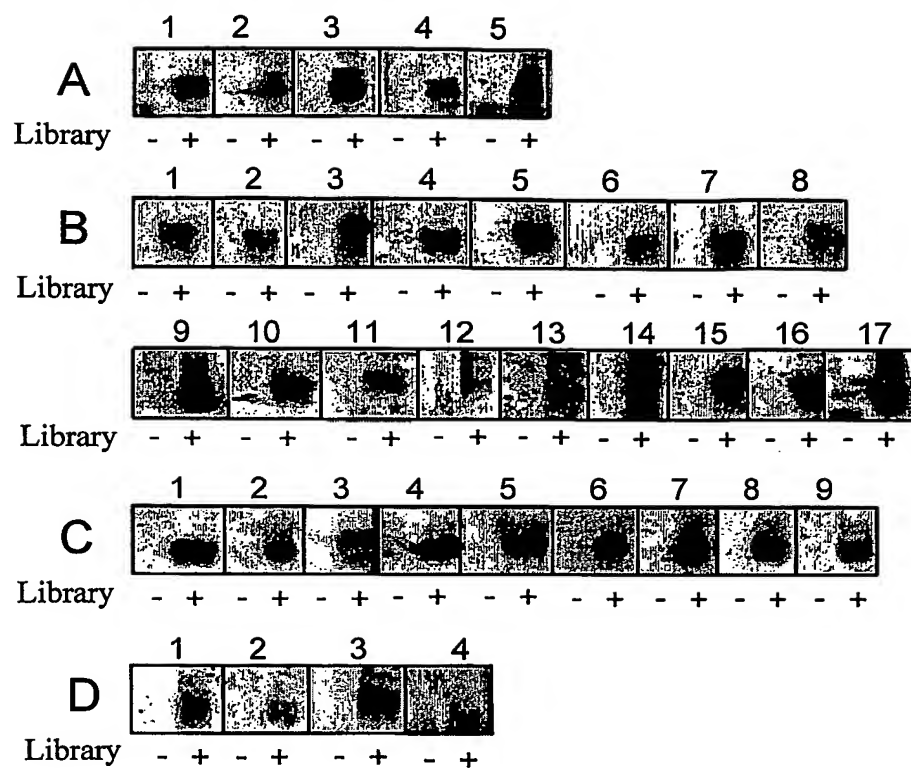


FIG. 23A

FIG. 23B

FIG. 23C

FIG. 24A

EST72223 (705 nt.)

EST72223 sequence:

CCCTTATTAGAGGATTCTGCTCATGCCAGGG**TGAGGTAGTAAGTTGTATTG**
TTGTGGGGTAGGGATATTAGGCCCCAATTAGAAGATAACTATACAAC MIR98
TACTACTTTCCCTGGTGTGTGGCATATTCACACTTAGTCTTAGCAGTGTTGCC
TCCATCAGACAAAGTTGTAGATGTTCTTGGATAATTTGGACTGGAAGAAAAGA
GACATGGAAGGGGACAGATGGTGTTTAGGGTGAGGCAGATGTCATTATAAAGT
GACTTGTCTTTCATTAATTGGAGCATATAATTATTTACCTTTGGGCATGAAC
ATTTTGCTATTCTTCAACTGTGTAATGATTGCATTTTATTAGTAATAGAACAGGA
ATGTGTGCAAGGGAATGGAAGCATACTTTAAGAATTTTGGGCCAGGCGCGGT
GGTTCATGCCTGTAATCCCAGCATTTTTGGGAGGCCGAGGCGGGTGGATCAC
CTGAGGTCAGGAGTTCGAGACCAACCTGGCCAACACGGCGAAACCCCGCCTC
TACTCAAATACAAAAATTAGCCAGGCTTGGTGACACTCGCCTGTGGTCCCAGC
TACTCAGGAGGCT**GAGGCAGGAGAATTGCTTGAACCCAGGAAGTGGAG** GAM25
GCTTCAGTGAGCTGAGAACACGCCACTGCACTCCAGTCCTGGGCAAC
AGAGCAAGACTCTGTCTCAGGAAAAAAAAAAG

FIG. 24B

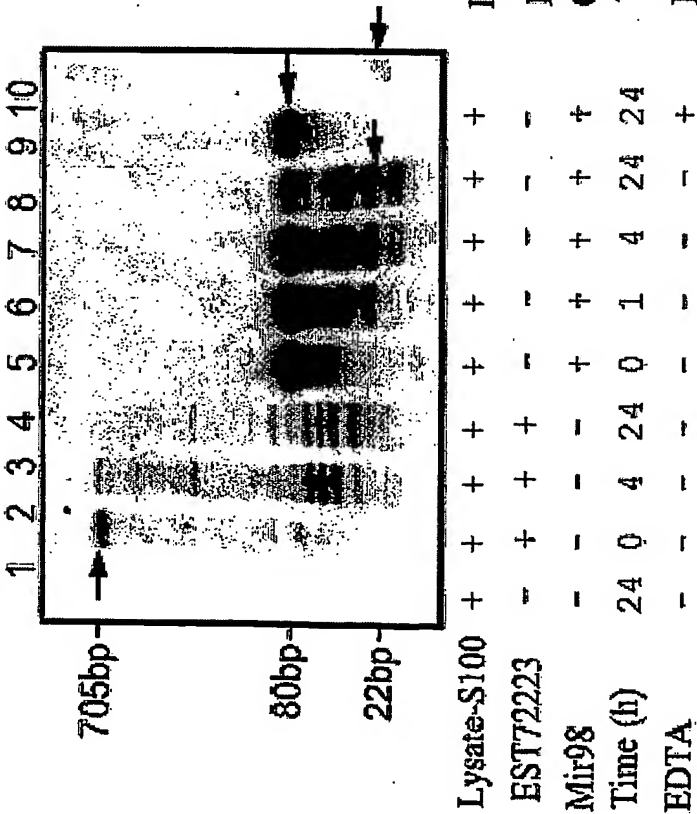


FIG. 24C

